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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,794	(	06/06/2005	Chunbo Dong	NTD 0002-US 6509	
23719	7590	09/22/2006		EXAMINER	
KALOW &	SPRING	GUT LLP		PHAN, H.	AU VAN
488 MADISC		IUE		ART UNIT	PAPER NUMBER
NEW YORK	-	022		3618	

DATE MAILED: 09/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
Office Action Comments	10/537,794	DONG ET AL.						
Office Action Summary	Examiner	Art Unit						
	Hau V. Phan	3618						
The MAILING DATE of this communica Period for Reply	tion appears on the cover sheet v	vith the correspondence address	•					
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAIL  - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communic  - If NO period for reply is specified above, the maximum statuto - Failure to reply within the set or extended period for reply will, - Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF THIS COMMUN 17 CFR 1.136(a). In no event, however, may a cation. bry period will apply and will expire SIX (6) MC by statute, cause the application to become A	ICATION.  a reply be timely filed  DNTHS from the mailing date of this communical ABANDONED (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed of	on 06 June 2005							
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, <u> </u>		tters, prosecution as to the merits	: is					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
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Disposition of Claims								
4)⊠ Claim(s) <u>1-8</u> is/are pending in the appli	4) Claim(s) 1-8 is/are pending in the application.							
4a) Of the above claim(s) is/are	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1-8</u> is/are rejected.	·							
7) Claim(s) is/are objected to.								
8) Claim(s) are subject to restrictio	8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for a) All b) Some * c) None of:  1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of the application from the International * See the attached detailed Office action for	cuments have been received. cuments have been received in the priority documents have bee I Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stage						
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 6/6/2005.	-948) Paper No	Summary (PTO-413) o(s)/Mail Date Informal Patent Application 						

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### **DETAILED ACTION**

### **Priority**

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

#### Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 6/6/2005 has been considered.

# Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 5 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The main motor further including two motors that are arranged between the left or right driving wheels and the differential gear, respectively, the main motor is arranged on other drive shaft, which is not described in the specification or any drawing.

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## Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-4 and 6-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Kubo (5,722,502).

Kubo in figures 1-7, discloses a power system for a dual-motor hybrid vehicle, comprising an internal combustion engine (28), a clutch (36), a stepped transmission, a drive shaft (38a), a brake system and driving wheels (14), wherein the power system further comprises a main motor (10), a rotor shaft of the main motor connected with a output shaft of the stepped transmission. Kubo also discloses an auxiliary motor or a generator (24), a rotor shaft (38b) of the auxiliary motor connected with a crankshaft of the internal combustion engine via a drive mechanism. The main motor and the auxiliary motor are electrically connected with a power battery (16). Kubo also discloses an entire vehicle controller (20), which can make the power system work in a parallel series hybrid vehicle and a series hybrid vehicle. When the vehicle is in lowspeed running operation condition, the system works in a pure electrical driving mode in which the internal combustion engine does not work and only the main motor drives the drive shaft, or the system works in a series driving mode in which the internal combustion engine only drives the auxiliary motor that generates electric power, and the generated electric power is transmitted to the main motor via the power battery to drive

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the drive shaft. When the vehicle is in full-accelerating operation condition, the system works in a parallel driving mode in which both the internal combustion engine and the main motor drive the vehicle simultaneously (col. 13, lines 32-42). When the vehicle is in braking and decelerating operation condition, the system works in an energy recovery mode in which the main motor is controlled to brake and generate electric power, and the power battery is recharged (col. 13, 42-48). When the vehicle is during transmission shifting, the system works in auxiliary-driving mode in which the main motor drives the vehicle auxiliary during shifting. When the vehicle is in idling stop operation condition, the system works in an idling stop mode in which the internal combustion engine stops working (col. 13, lines 50-67). When the vehicle is in normal driving operation condition, the system works in normal running mode in which the internal combustion engine drives the vehicle independently (col. 13, lines 15-25).

Regarding claim 2, Kubo discloses the rotor shaft of the main motor connecting with the output shaft of the transmission via a drive mechanism.

Regarding claims 3 and 7, Kubo discloses the drive mechanism including one of shaft drive means, belt drive means, chain drive means, gear drive means, clutch drive means or a combination thereof.

Regarding claim 4, Kubo discloses the main motor and the auxiliary motor that are connected with the power battery via a controller, a control unit and a loop circuit of a distribution box.

Regarding claim 6, Kubo discloses the entire vehicle controller, which can make the power system work in starting mode in which the main motor drives the vehicle automatically when the vehicle is being started.

Regarding claim 8, Kubo discloses the main motor, which is arranged on a drive shaft.

#### Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Brunner et al. disclose a series hybrid traction assembly; Hattori et al. disclose a hybrid vehicle; Hanyu et al. disclose a transmission vehicle and control unit therefor; Takashima et al. disclose a control system for hybrid vehicle.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau V. Phan whose telephone number is 571-272-6696.

The examiner can normally be reached on 7:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Ellis can be reached on 571-272-6914. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Houghon 9/4/06